

**IN THE CLAIMS**

Please amend the claims to read as indicated herein.

1. (currently amended) A measurement unit adapted to be used in a measuring setup for measuring an optical device under test (DUT), comprising:

a fiber connection for connecting to said DUT;

an optical circuit for providing an optical signal from and/or to the DUT via ~~a~~ said fiber connection;

and

a shielding unit for holding the optical circuit and for providing at least a partial shielding of the optical circuit against mechanical noise.

2. (previously presented) The measurement unit of claim 1, wherein the shielding unit has a relatively high weight, thus rendering the shielding unit less susceptible excitation by mechanical vibrations.

3. (previously presented) The measurement unit of claim 1, wherein the shielding unit weighs substantially more than the optical circuit.

4. (previously presented) The measurement unit of claim 1, wherein the shielding unit comprises a mass plate or is provided of a material massive relative to the optical circuit.

5. (previously presented) The measurement unit of claim 1, wherein the shielding unit comprises an upper casing part and a lower casing part.

6. (previously presented) The measurement unit of claim 1, wherein the optical circuit is attached to a part of the shielding unit.

7. (previously presented) The measurement unit of claim 1, further comprising a vibration damping or shielding device between the optical circuit and the shielding unit.

8. (previously presented) The measurement unit of claim 1, wherein the optical circuit comprises an interferometer.

9. (previously presented) The measurement unit of claim 1, further comprising a receiving device for holding the DUT during the measuring step.

10. (original) The measurement unit of claim 9, wherein the receiving device is coupled to the shielding unit in a way that the shielding unit provides at least a partial shielding of the DUT against mechanical noise.

11. (previously presented) The measurement unit of claim 9, wherein the receiving device is outside the shielding unit.

12. (previously presented) The measurement unit of claim 1, further comprising a vibration absorption device for absorbing vibrations of the shielding unit.

13. (previously presented) The measurement unit of claim 12, wherein the vibration absorption device comprises an arrangement of resilient and plastic members for damping and absorbing mechanical vibrations.

14. (previously presented) The measurement unit of claim 1, wherein the optical circuit comprises components that provide substantially no vibration during the measuring step.

15. (currently amended) A measuring setup for measuring an optical device under test (DUT), comprising:

an optical signal source for applying an optical signal to the DUT;

an optical receiver unit for measuring a response of the DUT to the applied signal; and

a measurement unit coupled between the optical signal source and the optical receiver unit, said measurement device having:

a fiber connection for connecting to said DUT;

an optical circuit for providing an optical signal from and/or to the DUT via a said  
fiber connection; and

a shielding unit for holding the optical circuit and for providing at least a partial  
shielding of the optical circuit against mechanical noise.

16. (previously presented) The measurement unit of claim 7, wherein said vibration damping or shielding device is a rubber sheet.

17. (previously presented) The measurement unit of claim 9, wherein said receiving device is on top of said shielding unit.